

Vapor Intrusion Case Study

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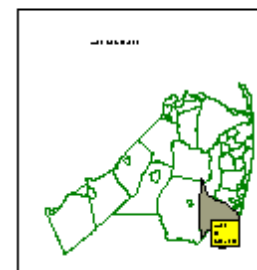
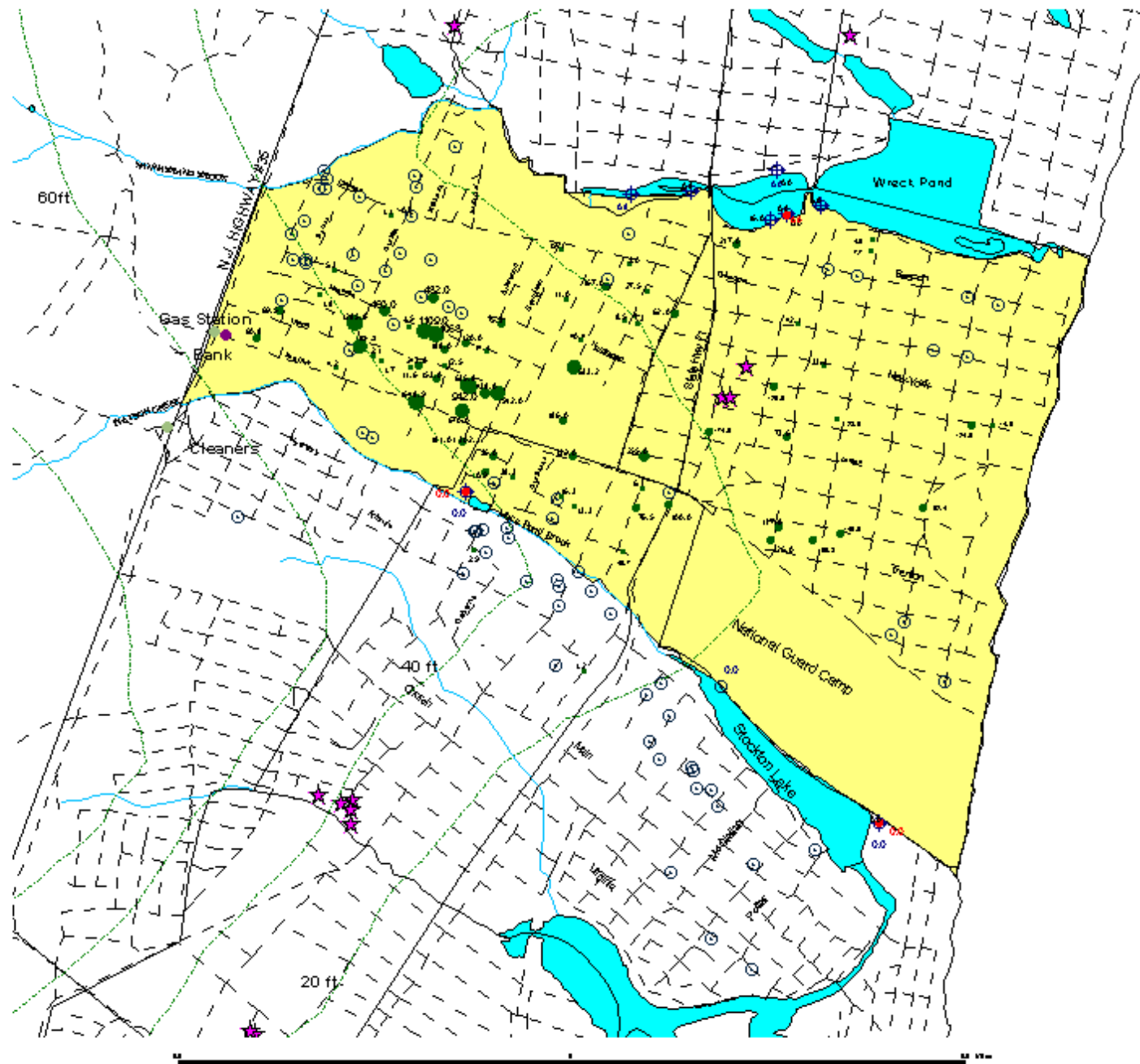
USEPA National Site Assessment Conference

Austin, Texas

May 15, 2002



Tracking Perchloroethylene

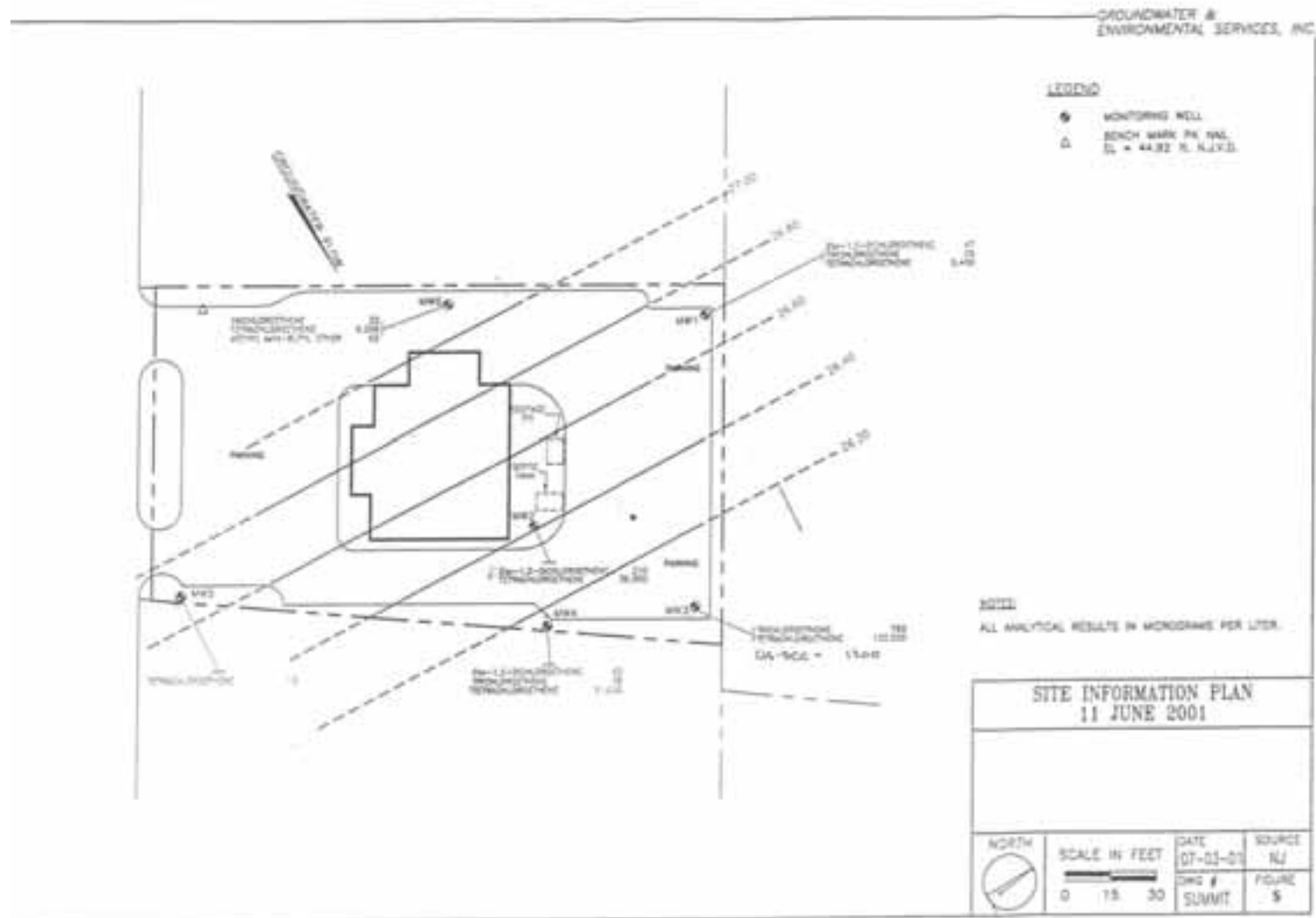


- Sample Locations
- no detection
 - 1 - 50 ppb
 - 51 - 250 ppb
 - 251 - 500 ppb
 - 501 - 1000 ppb
 - 1001 - 1700 ppb
 - Responsible Party
 - Suspected Party
 - Contour interval = 20ft
 - ★ Public Community Wells
 - Sediment Samples
 - Surface Water Samples
 - Plume delineation

Former Dry Cleaner



Monitor Well Sampling Results



Downgradient Monitor Well



[illegible]

Adjacent Motor Lodge



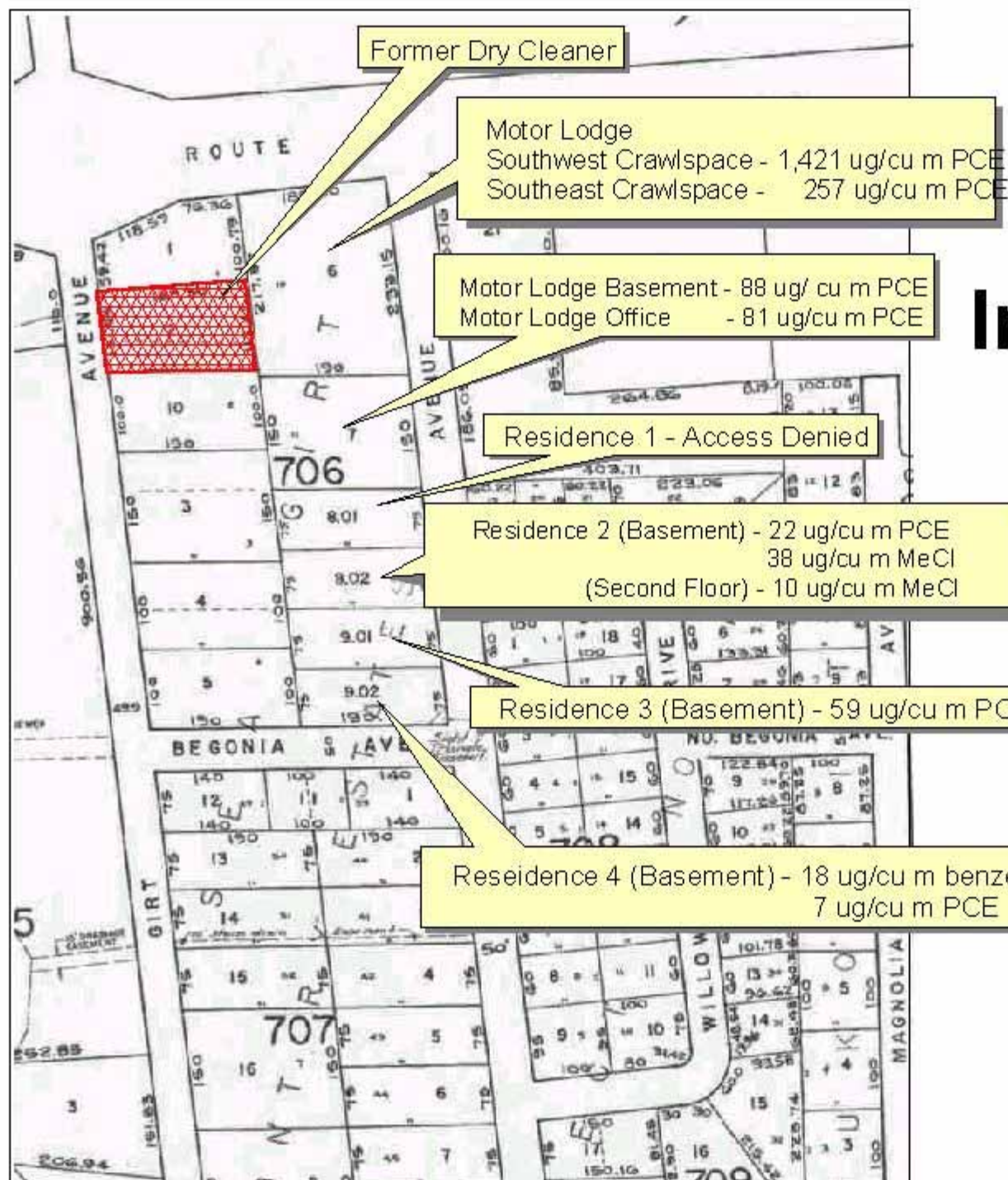
Downgradient Residences





Summa Canister

EPA Methods
TO-14A
TO-15



Initial Indoor Air Results



Disposal System and Property Line



Indoor Air PCE Contamination

1995 Aerial Photographic Base Map



Indoor Air (Basements) Tetrachloroethylene (PCE) Concentrations

All units = $\mu\text{g}/\text{m}^3$

- > 500
- 51 - 500
- 5.1 - 50
- PQL - 5 *
- ⊕ < PQL (ND)

* PQL = Practical Quantitation Limit of
USEPA Method TO-15 = $3.38 \mu\text{g}/\text{m}^3$

“Radon” Mitigation System

